Test Plan for

**LinguoFix**

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| **General information** | |
| **Customer** | LinguoFix |
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**Summary**

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# Introduction

## General information

This document describes the methods and procedures that will be used by the QA team during the functional testing process of the LinguoFix web application. It is intended as a reference for project managers, product developers, and QA engineers, and outlines the procedures to ensure high-quality testing throughout development.

The objective of the testing activities is to validate the core functions and features of LinguoFix across major web browsers (Chrome, Firefox, Safari, Edge), ensuring that all language correction and user interaction workflows perform as expected.

## Purpose

### This Test Plan document for the LinguoFix supports the following objectives:

* + - Identify existing project components and software modules to be tested.
    - Recommend and describe the testing strategies to be used.
    - Identify the required resources and estimate the effort involved.
    - Define and describe test deliverables.

All test results will be documented in daily and final reports. Bugs will be tracked using Trello, depending on the client's preference.

# Scope of project

## Scope of the Web Application

### The following key components and user-facing functions of LinguoFix will be tested as part of this test plan:

1. User registration and login
2. Text input for grammar and style correction
3. AI-generated correction suggestions
4. Real-time translation module
5. Correction history and user profile management
6. Feedback submission and contact form
7. Account settings and preferences

## Scope of the Admin Panel

### The admin panel of LinguoFix includes content moderation, user management, and analytics. The following features will be tested:

1. Admin login and session management
2. View and manage user accounts
3. View usage statistics and feedback reports
4. Moderate flagged content
5. System configuration settings
6. API key and billing settings for third-party integrations

# Work plan

### The QA process for LinguoFix will follow this structure:

1. Test plan preparation
2. Test plan approval by stakeholders
3. Execution of functional testing and bug reporting
4. Daily status and summary reporting
5. Final report preparation and review with the development team

# Test Plan and Strategy

## Functional testing

**Objective:**  
Ensure the complete LinguoFix system functions correctly according to the defined specifications and user expectations.

|  |  |
| --- | --- |
| **Test Objective:** | **Ensure proper target-of-test functionality** |
| **Technique:** | For each use case, functionality, or user flow:   * Validate that expected outputs are produced for valid input. * Ensure proper error or warning messages are displayed for invalid input. * Verify that system rules and constraints are enforced (e.g., input limits, account verification). |
| **Entry Criteria** | * All development tasks for the testing phase are completed. * The application is deployed to the testing environment. * Test engineers are assigned and briefed. * All required tools, environments, and test data are ready. |
| **Completion Criteria:** | * All planned test cases are executed. * No critical or high-priority defects remain open. * All bugs have been reviewed and either resolved or accepted as minor. * Test summary and results are approved by the QA lead and project stakeholders. |
| **Special**  **Considerations:** | None at this stage. Regression and cross-browser compatibility will be prioritized during each testing cycle. |

## Test Procedure

### Test procedure assumes the next points:

* + - Reporting of found software bugs.

Various aspects of the tested software should be checked; this requires executing of different testing types.

### The main testing types that would be executed:

### The test procedure for the LinguoFix platform includes the following:

* + - Reporting all discovered software bugs.
    - Verifying the stability, correctness, and responsiveness of the application's language correction, translation, and profile features.
    - Ensuring browser compatibility and user experience consistency across devices.

### The following types of testing will be executed:

* + - Functional Testing
    - UI Testing
    - Usability Testing
    - Compatibility Testing (on Chrome, Firefox, Edge, Safari, and mobile devices)
    - Regression Testing
    - Retesting (during additional cycles if needed)

### Additional checks will ensure the platform launches correctly, responds within acceptable time, and performs reliably across supported platforms.

## Bug Reports

Bug reports provide developers and stakeholders with comprehensive information about identified issues and help prioritize fixes.

### Defect Severity Levels:

* + - Critical (Blocker): Prevents any further work (e.g., app crashes on load, loss of saved text data).
    - Major: Affects major functionality but with workarounds (e.g., translation module fails under certain input).
    - Minor: Inconsistencies or incorrect results, but app still works (e.g., tooltip shows wrong language).
    - Trivial: Non-functional issues (e.g., typos, layout misalignment, cosmetic bugs).

### Each bug report will include:

* + - Product name: LinguoFix
    - Platform/browser/device tested
    - Summary (brief description)
    - Steps to reproduce
    - Defect location in the UI
    - Frequency (always/sometimes/rare)
    - Severity level
    - Attachments (screenshots/video as evidence)

# Resources

## Tools

**The following tools will be used for this project:**

|  |  |
| --- | --- |
| **Name of process** | **Tool** |
| Defect Tracking | Jira |
| Test Cases | Testrail |
| Screenshots / Video capture | Snagit |

## The list of the browsers

|  |  |
| --- | --- |
| **Name of the browser** | **Version** |
| Chrome | Latest |
| FireFox | Latest |
| Edge | Latest |
| Safari | Latest |

## The list of the devices

|  |  |
| --- | --- |
| **Name of the device** | **OS** |
| iPhone devices | All supported OS |
| Android devices | All supported OS |

# The criteria of quality

* The system must operate in accordance with the LinguoFix functional specification.
* The final release must contain no critical or blocking bugs.
* Minor or trivial bugs should be reviewed and accepted by stakeholders if left unresolved.

# Testing Process Risks

### The following risks may affect testing efficiency:

* Unplanned feature or code changes not communicated to the QA team.
* Changes to requirements without proper discussion.
* Delays in bug fixes.
* Delays in delivering test builds.

# Test Team Expectations

* QA team should receive updated documentation and change logs regularly.
* All required tools and devices must be prepared before testing begins.
* Blocking issues should be resolved immediately.
* Each software build should be accompanied by a Release Note describing changes, features added, and their impact.
* Developers should test and stabilize features before releasing new builds to QA.

# Responsibilities of Test Team Members

### Project Manager

* Manages the QA process and provides necessary resources.

### QA Tech Lead

* Leads QA team, distributes tasks.
* Communicates with the development team.
* Participates in Agile or hybrid workflows.
* Creates and reviews test documentation.
* Recommends tools and best practices.

### QA Engineer

* Executes tests.
* Reports and tracks bugs using the approved tracking tool.
* Verifies fixed bugs and performs retesting.

# Deliverables

* Test Plan Document
* Bug Reports (daily)
* Progress Reports (summary and final)